



1007-03

In the United States Patent and Trademark Office

Serial Number: 10/614 580
Appn. Filed: 2003 July 07
Applicant(s): Carr, Michael Ray (Sr.)
Appn. Title: Oilfield Tool Heating Element In-Line
Examiner/GAU: _____

Mailed: 2003 Oct 06
At: Minden, La.

Information Disclosure Statement

Commissioner for Patents
Washington, District of Columbia 20231

Sir:

Attached is a completed Form PTO-1449 and copies of the pertinent parts of the references cited thereon. Following are comments on any non-English-language references pursuant to Rule 98:

Canadian Patent 1,182,392, dated Feb. 12, 1985 in the name of Richardson et. al. discloses a nitrogen gas generation system to produce heat spike in a water-based brine solution. This is a form of hot oil treatment common in various methods in the industry. It, however, is not a preventative tool as is found in my current invention.

Very respectfully,

Applicant(s): Michael Ray Carr Sr.

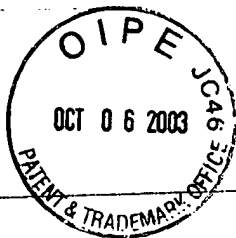
Enc : PTO-1449 & References

c/o: Michael Ray Carr, Sr.
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Certificate of Mailing

I certify that this correspondence will be deposited with the United States Postal Service as first class mail with proper postage affixed in an envelope addressed to: "Commissioner for Patents, Washington, DC 20231" on the date below.

Date: 2003 Oct 06 Michael Ray Carr Sr.

Sheet 1 of 6

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LIST OF PRIOR ART CITED BY APPLICANT

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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA	47,410	April 1865	Fraser	166	302	
AB	231,287	Aug. 1880	Digman et al	392	301	
AC	457,457	Aug. 1891	Robison et al	392	305	
AD	522,737	July 1894	Lacock	219	630	
AE	573,142	Dec. 1896	Flanegin	166	303	
AF	762,628	June 1904	Gardner	392	306	
AG	766,313	Aug. 1904	Yeast	392	305	
AH	780,279	Jan. 1905	Gardner	166	60	
AI	784,454	Mar. 1905	Waring	392	305	
AJ	884,424	Apr. 1908	Seymour et al	166	60	
AK	972,308	Oct. 1910	Williamson	392	304	

FOREIGN PATENT DOCUMENTS

AL	1182392	Feb. 1955	CA			
AM	2504187	Oct 1982	FR			
AN	1298354	Mar. 1957	SU			
AO	8810356	Dec. 1988	WO			
AP						

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	✓ Denninger et al	1990	"Optimizing Hot Oiling/	Petro Soc. of CIM/Soc		
	Petro Society Eng.	1990	Watering Jobs to minimize Formation Damage"			
AS	✓ Nelson et al	Feb. 1959	"Oil Recovery by Thermal	Pt II		
			Methods"	The Petroleum Engineer		
AT	✓ P.D. White et al	Sept. 1965	"High Temp. Thermal	J. of Petro. Tech. pp. 1007		
			Techniques for Stimulating Oil Recovery"	1011		

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Sheet 2 of 6

FORM PTO-1449 (Substitute)

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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA	<u>1,082,971</u>	<u>Dec 1913</u>	<u>Pick</u>	<u>392</u>	<u>303</u>	
AB	<u>1,095,365</u>	<u>May 1914</u>	<u>Williamson</u>	<u>392</u>	<u>305</u>	
AC	<u>1,169,262</u>	<u>Jan. 1916</u>	<u>Hoff</u>	<u>392</u>	<u>304</u>	
AD	<u>1,232,736</u>	<u>Jul., 1917</u>	<u>Truman et.al</u>	<u>392</u>	<u>305</u>	
AE	<u>1,360,404</u>	<u>Nov, 1920</u>	<u>Hollister et al</u>	<u>392</u>	<u>305</u>	
AF	<u>1,368,404</u>	<u>Feb., 1921</u>	<u>Loftus</u>	<u>392</u>	<u>305</u>	
AG	<u>1,383,670</u>	<u>Jul., 1921</u>	<u>Stephens</u>	<u>392</u>	<u>301</u>	
AH	<u>1,426,407</u>	<u>Aug, 1922</u>	<u>Pennington</u>	<u>392</u>	<u>304</u>	
AI	<u>1,450,658</u>	<u>April 1923</u>	<u>Warnick</u>	<u>392</u>	<u>301</u>	
AJ	<u>1,457,690</u>	<u>Jun, 1923</u>	<u>Brine</u>	<u>392</u>	<u>305</u>	
AK	<u>1,464,618</u>	<u>Aug. 1923</u>	<u>Pershing</u>	<u>392</u>	<u>305</u>	

FOREIGN PATENT DOCUMENTS

AL						
AM						
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AP						

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	<u>John Power</u>	<u>1928</u>	<u>Removing Paraffin Problem in Oil wells</u>			
			<u>With Electric Heater</u>			
AS	<u>R. Van A. Mills</u>	<u>Dec. 1923</u>	<u>"The Paraffin Problem in Oil wells"</u>			
AT	<u>L.G.E. Bignall</u>	<u>1000.14, 1929</u>	<u>Electric Heaters Remove Paraffin</u>			

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Sheet 3 of 6

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AA	<u>1,477,802</u>	<u>Dec. 1923</u>	<u>Beck</u>	<u>392</u>	<u>305</u>	
AB	<u>1,504,208</u>	<u>Aug. 1924</u>	<u>Brine</u>	<u>392</u>	<u>305</u>	
AC	<u>1,540,648</u>	<u>June 1925</u>	<u>Pershing</u>	<u>392</u>	<u>305</u>	
AD	<u>1,646,599</u>	<u>Oct. 1927</u>	<u>Schaefer</u>	<u>392</u>	<u>304</u>	
AE	<u>1,672,200</u>	<u>June 1928</u>	<u>Buck</u>	<u>166</u>	<u>60</u>	
AF	<u>1,690,994</u>	<u>Nov 1928</u>	<u>Powell</u>	<u>392</u>	<u>301</u>	
AG	<u>1,701,884</u>	<u>Feb 1929</u>	<u>Hogle</u>	<u>392</u>	<u>301</u>	
AH	<u>1,761,227</u>	<u>Jun 1930</u>	<u>Pasley</u>	<u>392</u>	<u>304</u>	
AI	<u>1,776,997</u>	<u>Sept. 1930</u>	<u>Downey</u>	<u>392</u>	<u>305</u>	
AJ	<u>1,839,632</u>	<u>Jan, 1932</u>	<u>Agnew</u>	<u>392</u>	<u>305</u>	
AK	<u>2,222,034</u>	<u>May, 1940</u>	<u>Thomas</u>	<u>392</u>	<u>301</u>	

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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	<u>Frank V. Eaton</u>	<u>April 22, 1943</u>	<u>Applications of Heat Increases Production in Wyoming Field</u>			
AS	<u>H.E. Allen and R.K. Davis</u>	<u>April 1954</u>	<u>"Electric Formation Heaters and Their Application"</u>			
AT	<u>K.G. Parrent</u>	<u>May 1955</u>	<u>"Bottom Hole Heaters"</u>			

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Sheet 4 of 6

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	AA	2,208,087	Jul. 1940	Somers	392	301	
	AB	2,244,256	Jun. 1941	Louman	392	301	
	AC	2,260,916	Oct. 1941	Rial	392	305	
	AD	2,332,708	Oct. 1943	Freeman	392	303	
	AE	2,484,063	Oct. 1949	Ackley	392	304	
	AF	2,500,305	Mar. 1950	Ackley	392	304	
	AG	2,632,836	Mar. 1953	Ackley	392	304	
	AH	2,660,249	Nov. 1953	Jakosky	392	304	
	AI	2,666,487	Jan. 1954	Bowman	392	301	
	AJ	2,685,930	Aug. 1954	Albaugh	166	302	
	AK	2,808,110	Oct. 1957	Spitz	392	304	

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	AR	World Oil	May 1970	"A. C. Correns Heats Oil for Extra Recovery"			
	AS	Dr. S. M. Faruqi Ali	Oct 1978	"Well Stimulation by Down Hole Thermal Methods"			
	AT	D. L. Correns	Jan 1980	"Electroflow Proves Technically Feasible"			

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Sheet 5 of 6

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	AA	2,836,248	May 1958	Covington	392	302	
	AB	2,998,066	Aug 1961	Nixon Sr.	166	304	
	AC	3,163,745	Dec 1964	Boston	392	305	
	AD	3,279,541	Oct. 1966	Knox et al	166	304	
	AE	3,410,347	Nov. 1968	Triplett et al	166	302	
	AF	3,437,146	April 1969	Everhart et al	166	304	
	AG	3,614,986	Oct. 1971	Gill	166	303	
	AH	3,825,161	Aug. 1974	Yamaguchi	392	485	
	AI	3,943,330	Mar. 1976	Pollock et al	219	553	
	AJ	4,026,358	May 1977	Allen	166	271	
	AK	4,178,993	Dec. 1979	Richardson et al	166	312	

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	AP						

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	AR	Edward T. York	Aug 8, 1988	"Process Solves Paraffin Buildup in Tubing"			
		Andrew W. Marr Jr					
	AS	Petrotherm		Electric-Bottom-Hole Heating System			
	AT						

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Sheet 6 of 6

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AA	4,219,083	Aug 1980	Richardson et al	166	312	
AB	4,285,401	Aug 1981	Erickson	166	60	
AC	4,330,037	May 1982	Richardson et al	166	803	
AD	4,399,868	Aug 1983	Richardson et al	166	304	
AE	4,790,375	Dec. 1988	Bridges et al	166	304	
AF	4,911,239	Mar. 1990	Winckler et al	166	304	
AG	5,120,935	Jun 1992	Nenninger	392	305	
AH	5,247,994	Sept 1993	Nenninger	392	305	
AI	5,282,263	Jan 1994	Nenninger	392	305	
AJ	5,400,430	Mar 1995	Nenninger	392	305	
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